

## INTERNATIONAL SEARCH REPORT

Int'l Application No  
PCT/32004/052315

**A. CLASSIFICATION OF SUBJECT MATTER**  
**IPC 7 G10K11/35**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
**IPC 7 G10K**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 460 179 A (OKUNUKI ET AL) 24 October 1995 (1995-10-24) cited in the application column 1, line 10 - line 15 column 1, line 55 - column 2, line 32 column 4, line 45 - line 57 column 5, line 56 - line 67; claims 1,20	1,2,8,9
A	US 5 159 931 A (PINI ET AL) 3 November 1992 (1992-11-03) column 6, line 8 - line 46; claim 1	1,8,13
A	US 5 671 746 A (DRESCHEL ET AL) 30 September 1997 (1997-09-30) column 1, line 25 - column 2, line 22	1,8,13

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

\* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
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- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search	Date of mailing of the international search report
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21 February 2005

03/03/2005

Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer
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Lorne, B

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Int'l Application No  
PCT/US2004/052315

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 165 414 A (LARSON, III ET AL) 24 November 1992 (1992-11-24) column 2, line 6 – line 37 column 2, line 55 – line 62; claim 1 -----	1,8,13
A	US 2003/097067 A1 (POLAND MCKEE DUNN ET AL) 22 May 2003 (2003-05-22) paragraphs '0003!, '0006!, '0009!, '0025!, '0027! -----	1,8,13

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Int'l Application No

PCT/EP2004/052315

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
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US 5159931	A	03-11-1992		NONE		
US 5671746	A	30-09-1997		NONE		
US 5165414	A	24-11-1992		NONE		
US 2003097067	A1	22-05-2003	US US JP WO WO WO WO US US US US US WO EP JP	2003023166 A1 6443896 B1 2004130134 A 2004021039 A1 2004021040 A1 2004021043 A1 2004021041 A1 2003060710 A1 2003195421 A1 2003195422 A1 2003208124 A1 0214888 A2 1311869 A2 2004506458 T		30-01-2003 03-09-2002 30-04-2004 11-03-2004 11-03-2004 11-03-2004 11-03-2004 27-03-2003 16-10-2003 16-10-2003 06-11-2003 21-02-2002 21-05-2003 04-03-2004